



MBSHC

IHO SECRETARIAT REPORT

Report to MBSHC-24

Constanta, ROMANIA
2 – 4 July 2024

By Rear Admiral Luigi SINAPI
IHO Director

MBSHC24-04.1

IHO Membership & Regional application for IHO membership

- IHO membership now stands at 100 (Albania in May 2022, Cabo Verde in November 2023 and Kiribati in May 2024 100th IHO Member - IHO CL 24/2024)
- Serbia and Syria remain suspended from Member States rights
- In the MBSHC, contacts are being made by the IHO Secretariat with Libya and Israel.

	IHO Member States	IMO/OMI : 172
	Other Coastal States	IOC / COI : 148
	Other Landlocked States	IHO / OHI : 100



Outcomes of the 7th Meeting of the IHO Council (1 of 3)

- **S-100 Infrastructure and Standards Development (C7/09):**

Action taken by HSSC: ICE PT and proposal for establishing ICE in the Republic of Korea

- **Champion of Hydrography Award (C7/16):**

Action taken: IHO Resolution - *The Ex Abyssis ad Alta* - Award assigned to Mr Yves Guillam

- **IRCC to establish a Project Team on Fund Generation of IHO' Project Initiatives under the IRCC (C7/22):**

Action taken by IRCC: PT established; ToRs approved; opportunities for recurring funding based on two scopes, Scope 1 – existing and short-term options and Scope 2 – long term strategic options.

- **Gender Balance in Hydrography (C7/24):**

Action taken by IRCC: Scoping Team consisting of HOs plus representative/s from the IHO Directing Committee was established, to prepare the regulatory framework for a continued activity on this human resource theme embedded in the capacity building programme through a proposal for an IHO Resolution and draft the Terms of Reference (ToR) for a future Project Team by C-8.

Outcomes of the 7th Meeting of the IHO Council (2 of 3)

- **IRCC Workshops on IBSC and CSBWG (C7/25):**

Action taken by IRCC: Workshop on CSB held in April – Workshop on IBSC planned in 2nd semester 2024 (tentatively in September)

- **Update on the Joint IHO-Singapore Innovation and Technology Laboratory (C7/29):**

Action taken by HSSC: Lab presented on successes with S-57-101 conversion guidance, and testing S-102 and 104 and sea trials with S-124 and S-125. Future projects including the testing and operation of the dual fuel ENC datasets (S-57/S-101)

- **Strategic Plan 2021-2026 (C7/36 – C7/38):**

Action taken by HSSC and IRCC: to be described in the specific session dedicated to the IHO Strategic Plan

- **IHO Resolution Guidelines for Making IHO Events More Inclusive (C7/40):**

Action taken: With IHO CL 28/2024, a survey questionnaire aiming to provide a comprehensive picture of the requirements and preferences of the Member States, Committees, Working Groups, Regional Hydrographic Commissions, and IHO Secretariat and to increase participation in activities of IHO bodies

Outcomes of the 7th Meeting of the IHO Council (3 of 3)

- **S-122 – Marine Protected Areas (MPA) (C7/44):**

Action taken by IRCC: it was decided that IRCC will report to C-8 that the task of MSDIWG should be modified as “MSDIWG to monitor and provide assistance to the S-122 Protected Seas pilot project with specific focus on the High Seas and MPAs adopted by IMO, to demonstrate the benefits of S-122 for non-navigation purposes”.

Recommendations:

- MBSHC Members are encouraged to support the continuation of the EWH project through financial and / or in-kind support.
- MBSHC is requested to provide the IRCC Chair with its contribution to continue on the measurement of those SPI of regional interest allocated to IRCC.
- MBSHC Members are invited to respond to the survey questionnaire (IHO CL 28/2024) on Making IHO Events More Inclusive.

Preparation of the 8th Meeting of the IHO Council

- C-8 will take place in Monaco, from 15 to 17 October 2024
- CCL 01/2024 - Announcement of the Eight Meeting of the IHO Council and Provisional Agenda:
 - ✓ Update on the activities of the IHO Fund Generation Project Team
 - ✓ Update on the Empowering Women in Hydrography Project
 - ✓ Update on contributions to the UN Ocean Decade
 - ✓ Update on activities to acquire new IHO Member States
 - ✓ Initial discussion on the revision of the IHO Strategic Plan based on inputs from subordinate bodies (HSSC, IRCC), Member States and IHO Secretariat
 - ✓ Report on inclusive participation in IHO meetings and proposed Resolution.

Preparation of the 8th Meeting of the IHO Council

- CCL 02/2024 - IHO Annual Report for 2023 and Approval of the Finance Report for 2023, with attention to the allocation of the budget surplus for 2023 of 215k€
- The deadline for submitting proposals to C-8 is 15 July 2024
- As per CCL 03/2024 and for the IHO Secretariat to prepare the C-8 Red Book, Member States are invited to monitor the updates made on the list of proposals on the C-8 webpage on a regular basis and to forward any comments that they may have, no later than 5 August 2024.

IHO Strategic Plan (2021-2026) / P-7 - IHO Annual Report 2023

GOAL 1

- Following actions C7/36 – C7/38, the current structure of the IHO SP 2021-2026 is still relevant at conceptual level. IHO Secretariat updated the Annex B to IHO Publication P-7 – 2023 Annual Report, and the SPI's figures for 2023, including – thanks to the questionnaire issued by the WENGWG – figure related to SPI 1.3.1 *Ability and capability of Member States to meet the requirements and delivery phases of the S-100 implementation plan (53% in 2023)*.

SPI 1.3.1 ¹	Metrics	Ability and capability of Member States to meet the requirements and delivery phases of the S100 implementation plan. Target 50%.						
	Year	2021	2022 ¹	2023 ²	2024	2025	2026	50%
		-	Yes	53%	-	-	-	-

¹The SPI measures the ability and capability to meet the requirements, not the production itself.

SPI 1.2.2	Metrics	Navigationally significant areas: areas covered by ENC in Usage Bands 5 to 3. Indicator: % data coverage in ENCs, where CATZOC value is other than U (Unassessed) and Unavailable.						
	Year	2021	2022	2023	2024	2025	2026	100%
	A-USCHC		83.3%	87,3%	-	-	-	
	B-MACHC		96.1%	97,7%	-	-	-	
	C1-SWAtHC		99.4%	99,4%	-	-	-	
	C2-SEPRHC		86.9%	87,4%	-	-	-	
	D-NSHC		99.5%	99,9%	-	-	-	
	E-BSHC		92,8%	91,3%	-	-	-	
	F-MBSHC		88.6%	89,8%	-	-	-	

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IHO Strategic Plan (2021-2026) / P-7 - IHO Annual Report 2023

GOAL 2

GOAL 3

SPI 2.2.1	Metrics	Technology to generate percentage figures from C-55 under discussion.					
	Year	2021	2022	2023	2024	2025	2026
		Percentage of adequately surveyed area per coastal state					
		Number of Coastal States within the percentage band of adequate surveyed area (C-55)					
	0%<= area< 25%, depth <200m	69	70	-	-	-	-
	0%<= area< 25%, depth >200m	82	81	-	-	-	-
	25%<= area< 50%, depth <200m	25	25	-	-	-	-
	25%<= area< 50%, depth >200m	20	20	-	-	-	-
	50%<= area< 75%, depth <200m	20	23	-	-	-	-
	50%<= area< 75%, depth >200m	17	18	-	-	-	-
	75%<= area< =100%, depth <200m	34	31	-	-	-	-
	75%<= area< =100%, depth >200m	21	20	-	-	-	-
		Number of RHCs within percentage band of area mapped (GEBCO)					
	0%<= area< 25%, depth <200m	18	-	-	-	-	-
	0%<= area< 25%, depth >200m	12	-	-	-	-	-
	25%<= area< 50%, depth <200m	1	-	-	-	-	-
	25%<= area< 50%, depth >200m	7	-	-	-	-	-
	50%<= area< 75%, depth <200m	0	-	-	-	-	-
	50%<= area< 75%, depth >200m	0	-	-	-	-	-
	75%<= area< =100%, depth <200m	0	-	-	-	-	-
	75%<= area< =100%, depth >200m	0	-	-	-	-	-

SPI 3.1.1	Metrics	Percentage of Coastal States that are capable to provide marine safety information (MSI) according to the joint IMO/IHO/WMO manual on MSI [WWNWS and CBSC tasked to develop a collaborative approach how to measure and count.]						
	Year	2021	2022	2023	2024	2025	2026	90%
			62%	87%	-	-	-	
SPI 3.2.1	Metrics	Amount of data received per year by the IHO Data Centre for Digital Bathymetry (DCDB tasked to start measurement.)						
	Year	2021	2022	2023	2024	2025	2026	
	Datasets/Surveys		375	180	-	-	-	
SPI 3.2.2	Metrics	Number of contributors to DCDB who are not hydrographic offices (DCDB tasked to measure.)						
	Year	2021	2022	2023	2024	2025	2026	
			4	3	-	-	-	
SPI 3.2.3	Metrics	Percentage of total sea area that is Seabed 2030 compliant for ingestion into the GEBCO dataset and services [DCDB tasked to start measurement in collaboration with BOC (UK).]						
	Year	2021	2022	2023	2024	2025	2026	
			23,4%	24,9%	-	-	-	

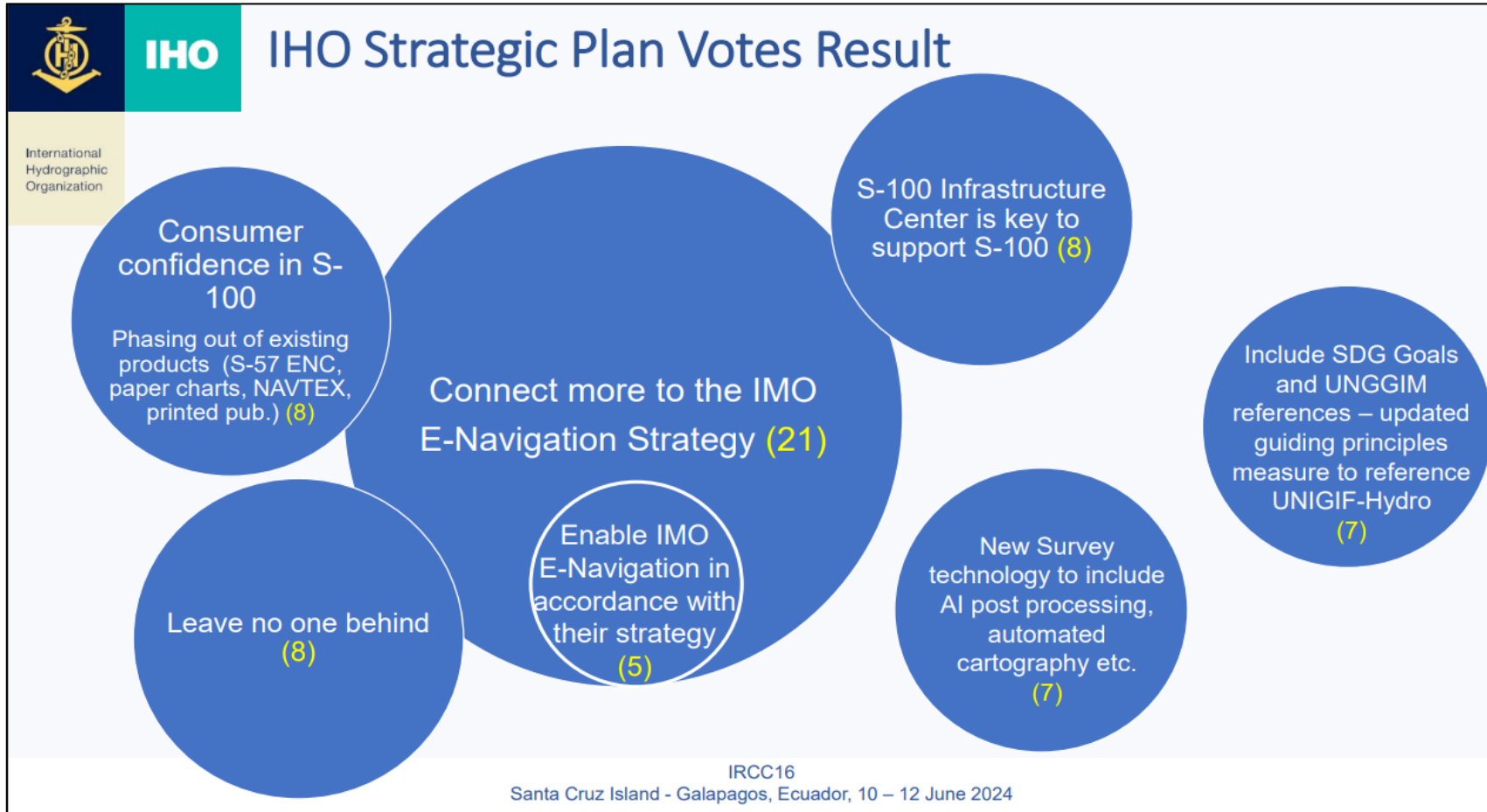
IHO Strategic Plan review

- The Correspondence Group (CG) for the preparatory process of IHO Strategic Plan 2027-2032, under the chairmanship of the Council Vice-Chair, started working via correspondence, establishing that the revised Strategic Plan will be developed using a bottom-up approach, involving HSSC and IRCC and the Regional Hydrographic Commissions. Terms of Reference (ToRs) and Rules of Procedures (RoPs) of SPRWG were drafted and a first revision of the Timeline was issued.
- CG agreed to adopt two successive phases, the Scoping Phase and the Drafting Phase, as the basic activities of SPRWG. The Scoping Phase is a review of the current IHO SP, and the Drafting Phase consists of a review of the Strategic Performance Indicators and the preparation of the specific drafts.

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(draft) Timeline for Strategic Plan Review Working Group (SPRWG) rev.1			
2024	IHO meeting	SPRWG	HSSC / IRCC / RHC
Nov		<ul style="list-style-type: none"> • Establishment (November 1st) • Review the current Strategic Plan • Reflect inputs and comments from C-9 	
Dec		<ul style="list-style-type: none"> • Call for additional members (if needed) 	
2025			
Jan			
Feb		<ul style="list-style-type: none"> • Draft a revised SP • Prepare documents to propose the draft SP for consideration at HSSC17 and IRCC17 	
Mar			
Apr		<ul style="list-style-type: none"> • Submit the draft SP to HSSC17 and IRCC17 	
May	HSSC17 (Norway)		<ul style="list-style-type: none"> • Consider and <u>comment</u> the draft IHO SP at HSSC17
Jun	IRCC17 (Nigeria)		<ul style="list-style-type: none"> • Consider and <u>comment</u> the draft IHO SP at IRCC17
Jul		<ul style="list-style-type: none"> • Reflect inputs and comments from HSSC and IRCC on the draft SP • Submit the revised draft SP to C-9 	
Aug			
Sep			
Oct	C-9 (Monaco)		<ul style="list-style-type: none"> • Consider and endorse the revised IHO SP at C-9
Nov		<ul style="list-style-type: none"> • Reflect inputs and comments from C-9 on the draft SP 	
Dec		<ul style="list-style-type: none"> • Submit a report on the work of the SPRWG and facilitate Council's submission of the revised IHO SP (final draft) to A-4 	

IHO Strategic Plan review – Initial input from HSSC (HSSC16)



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IHO Strategic Plan review – Initial input from IRCC (IRCC16)

The 4 *Key Points* to be taken in consideration of SPRWG to review the IHO Strategic Plan:



Key #1	Maintain the 3 main goals but update and refine targets to better align with strategic objectives <i>Action 1:</i> Be clear that Goal 1 is still the current priority <i>Action 2:</i> Goal 2 is a good statement, however update "how and why" to be more specific <i>Action 3:</i> Add mention of climate change (i.e.: "hydrography as an underpinning data layer for climate modelling") <i>Action 4:</i> Goal 3 - There's a need to build public awareness about ocean governance and activities and why they are important (i.e.: "Provide hydrographic data in support of safety of efficient maritime use")
Key #2	Targets to be measurable and identifiable with clear responsibilities assigned <i>Action 1:</i> Measure what we CAN measure, not necessarily what we NEED to measure.
Key #3	SPIs should be objectively reviewable and applicable for all MS <i>Action 1:</i> Enhance discoverability and governance for SPIs for MS, external stakeholders, tracking and newcomers <i>Action 2:</i> Make the metrics dynamic and automatic; structure national reports to extract that data directly from them
Key #4	Conduct capacity building by IHO and RHCs for technical training and examination on how to develop the S-100 products

Capacity Building

- CBSC 22 decided that the funded activities which were not executed in the 2024 CBWP will not be carried over to the 2025 CBWP
- The 2024 CBWP has 293,265 euros for non-earmarked projects and 790,223€ for earmarked projects. The total of funds for 2024 is 1,083,488€
- In 2024 the CBWP has returned to the pre-COVID practice of not carrying over incomplete activities from year-to-year
- Significant increment of the funds for non-earmarked activities was received from Republic of Korea in 2024 and for 2025 (50% more than in 2024 and equal to 60,000€)
- The expected balance of the CB Fund available for 2025 CBWP is 189,062€.

Capacity Building - Courses

In 2024, the following courses sponsored by the IHO and ROK and Nippon Foundation have been approved:

- CAT A courses at USM sponsored by ROK (2 candidates selected – **1 from Türkiye** – for 11th course 2023/2024; 2 candidates selected – **1 from Greece** – for 12th course 2024/2025 starting in August 2024 with IHO CL 05/2024);
- Cat B course in Hydrography from 17 June to 1 November 2024 at KHOA-ROK (10 candidates selected – **1 from Croatia, 1 from Georgia and 1 from Ukraine** – with IHO CL 15/2024);
- GEOMAC Cat B course in 2024 sponsored by Nippon Foundation (7 candidates selected – **1 from Lebanon and 1 from Tunisia** – with IHO CL 17/2024).

Capacity Building – MBSHC and RENC’s initiatives

MBSHC has the following activities planned for 2024:

- P-11 - Workshop on Disaster Response (not funded)
- ***P-16 - Workshop on ENC Quality Assessment & Conversion (funded by IC-ENC)***
- P-29 - Workshop on MSI Development & Implementation (former 2023-P6 - funded).

RENCs presented plans for contributions to the IHO CBWP. IC-ENC has started with an “***opt in***” initiative. As a consequence, CB Coordinators were encouraged to submit relevant Phase 3 CB proposals. PRIMAR currently offers their ***full e-learning package for five Non-RENC Member States***, up to five persons per MS.

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Capacity Building – EWH project

- Cooperation with IMO-WMU
- Contribution from BE, CA, DK, FR, NO, UK, USA
- New onboard opportunities (SHOM and NOAA - **1 candidate from Cyprus**)
- New EWH Assistant recruited at the IHO Sec. from 1st July 2024 (1 year renewable)



Manon (SHOM, France)



Marie (SHOM, France)



Maseko (South African Navy Hydrographic Office, South Africa)



Benedicte Ezvan (SHOM, France)



Lucy Mburu (Survey of Kenya, Kenya)



Yerinelys Santos Barrera (Colombian National Hydrographer...)



Sabrina Vial (SHOM, France)



Roberta Ivaldi (IT Navy, Italy)



Hilary Thompson (AHS, Australia)



Julia Powell (NOAA, United States)



Izabel King Jeck (LEPLAC Advisor, Brazil)



Annie Biron (Regional Director for the Quebec region at the Canada...)



Nancy Salloum (Assistant Professor at the Lebanese University...)

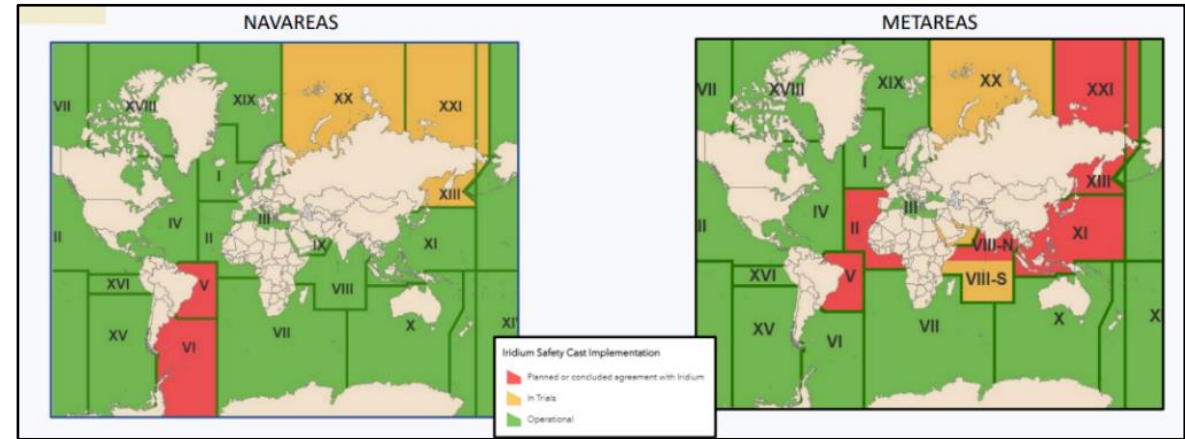
Capacity Building – IHO e-Learning Center – Joint CB meeting – IMO TCC

- **IHO e-Learning Center:**
<https://elearning.iho.int> - IHO CL 24/2023 Steering Committee established - A General Manager Group formed from the SC - Seek for e-Learning material from Member States and partner organizations
- **Joint IHO/IMO/WMO/IOC/IALA/IAEA/FIG/IMPA CB Initiative:** Restart after 5 years - of interruption - Building and developing capacity in line with the U.N. concept of "*Delivering as One*"
- **IMO Technical Cooperation Committee (TCC)** – Paper presented on joint CB activities on MSI and S-100 implementation



Maritime Safety Information Services

- The ***Iridium SafetyCast*** service became SOLAS carriage compliant from 1 January 2020. WWNWS agreed that the use of all IMO RMSSs should be mandatory. A Letter from WWNWS and IRCC Chairs will be issued soon for relevant Member States to implement all IMO recognized mobile satellite services.
- Overall, for 2023, WWNWS assessed ***Coastal States MSI capacity*** to be **87%**. Overall, for 2024, the WWNWS assessed MSI Coastal States capacity to be **89,2%** (IHO SPI 3.1.1 target is 90% by 2026).
- S-124, Edition 2.0.0 was endorsed by WWNWS and submitted to HSSC for approval.
- NCSR10 approved the joint IMO/IHO/WMO Manual on Maritime Safety Information.



IHO SPI - Coastal States by NAVAREA

NAVAREA	Coastal States with MSI Capacity	Total Coastal States
NAVAREA XI (Japan)	21	21
NAVAREA XII (United States)	9	10
NAVAREA XIII (Russian Federation)	1	1
NAVAREA XIV (New Zealand)	12	12
NAVAREA XV (Chile)	1	1
NAVAREA XVI (Peru)	1	1
NAVAREA XVII (Canada)	1	1
NAVAREA XVIII (Canada)	1	1
NAVAREA XIX (Norway)	1	1
NAVAREA XX (Russian Federation)	1	1
NAVAREA XXI (Russian Federation)	1	1
WWNWS	190	212

SPI = 89.2%

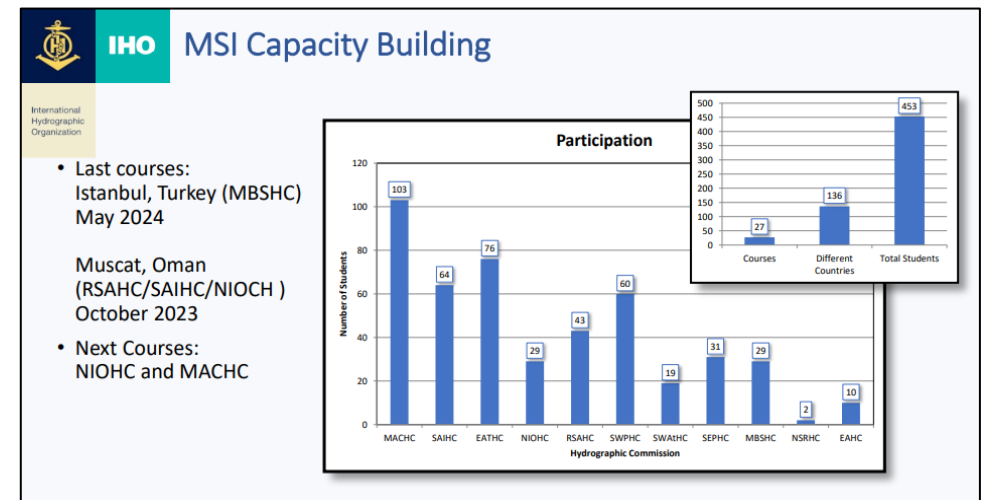
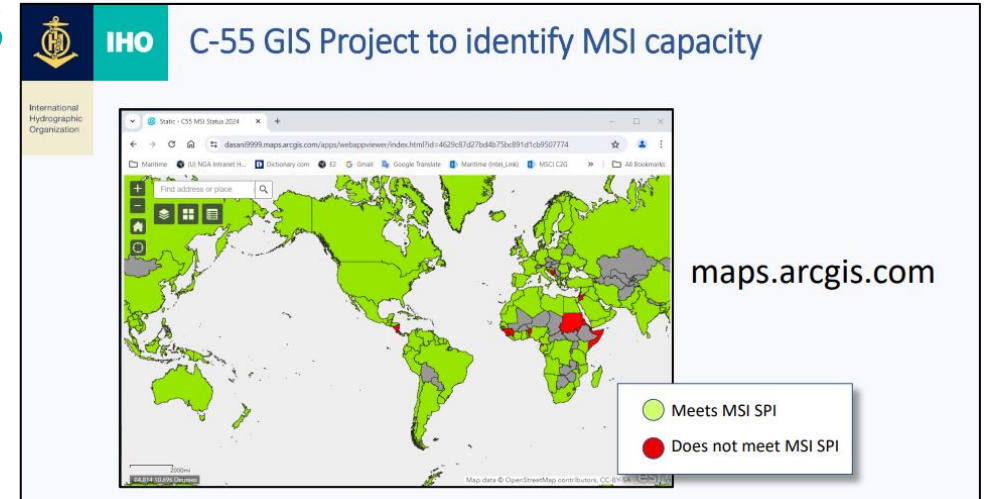
IRCC16
Santa Cruz Island - Galapagos, Ecuador, 10 – 12 June 2024

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Maritime Safety Information Services

- WWNWS is working in cooperation with CBSC on a C-55 GIS project, considering the States having the MSI capacity and meeting MSI SPI, and those not having such capacity and not meeting MSI SPI. Next step will be to move the web map to the IHO's ArcGis online server and add a link to the WWNWS web page.
- MSI courses provided by WWNWS were presented, in line with the IHO CB Strategy Phase 1 (in MBSHC an MSI course was delivered in 2024).

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Crowd-Sourced Bathymetry, GEBCO and Seabed2030

- Following the publication of B-12 Ed. 3.0.0, CSBWG focused on a critical review of the group's operating mandate
- An ***IHO CSB Initiative will be incorporated*** into the CSBWG Work Plan, to serve as the central point of standardization, policy and technical guidance
- IHO CL 21/2020 and IRCC CL 1/2020 to request MS to indicate their positions on the provision of CSB data, are receiving new positive replies, in addition to the 35 already available on the IHO website.

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Crowd-Sourced Bathymetry, **GEBCO** and Seabed2030

- New ***GEBCO strategy*** and ***GEBCO Governance review report*** and both were endorsed by IRCC at IRCC16 meeting and by IOC-UNESCO at the 57th session of the Executive Council
- The ***Maps the Gaps Symposium*** held in November 2023 in Monaco at Musee Océanographique highlighted on seabed knowledge, improved climate modelling, marine biodiversity discovery and monitoring
- 21st Course of the ***IHO-IOC-Nippon Foundation/GEBCO Training Program leading to a Graduate Certificate in Ocean Bathymetry at the University of New Hampshire (UNH), USA*** will begin in late August 2024 (6 candidates were selected from Canada, Peru, Brazil, Japan, Ecuador and Philippines)

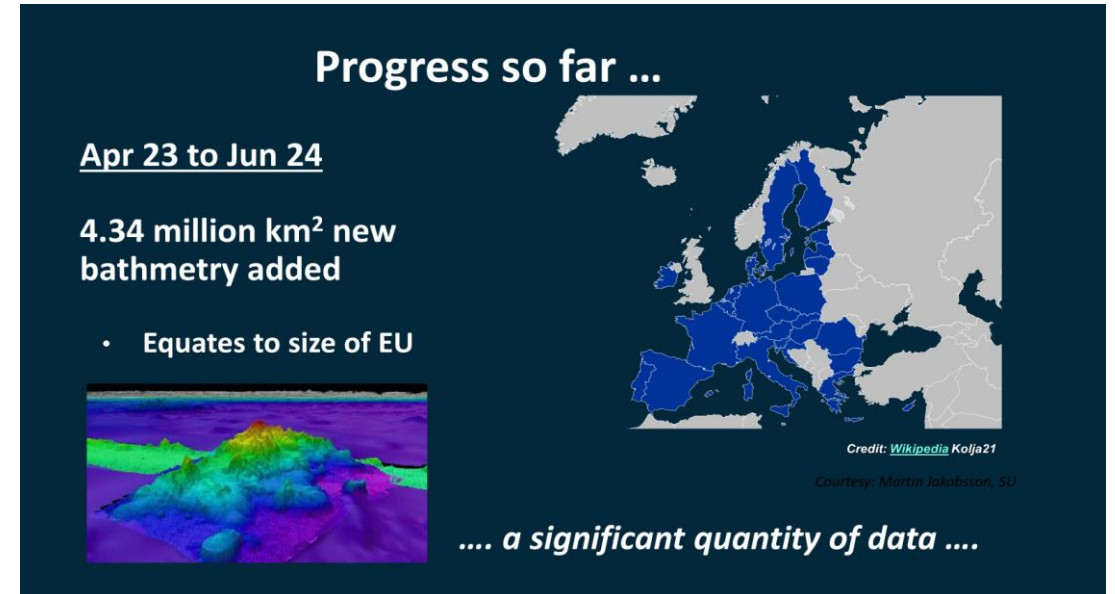
Crowd-Sourced Bathymetry, GEBCO and Seabed2030

- Nippon Foundation GEBCO-Seabed 2030 project was endorsed as an ***Action of U.N. Ocean Decade***
- ***2024 mapping coverage*** that now stands at ***26.1%*** as announced in occasion of the World Hydrography Day 2024

Recommendations: MBSHC Members are invited to:

- Consider the impacts of the increasing global societal and United Nations (UN) driven need to complete the picture of the seafloor as well as the potential benefits to individual coastal States.
- Make data freely available for inclusion in the DCDB and the widest possible use, in accordance with IHO Resolution 1/2017.

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IHO and U.N. Ocean Decade / U.N. Ocean Conference (UNOC25)

UN OCEAN DECADE:

Two satellite-events: OECD-IHO on “*The seabed data we need for the ocean we want*” and IMO-WMU-IHO on “*Empowering Women for the Ocean Decade: Achieving Gender Equality in Ocean Sciences and Policy Making*”

UNOC25:

Initial contacts with the Principality of Monaco and the Foundation Prince Albert II for identifying themes to be presented in the “*Blue Economy and Finance Forum*” (BEFF) in Monaco on 7-8 June 2025 and at UNOC25 (9-13 June 2025). CBSC23 & IRCC17 will be held in Monaco at the IHO Secretariat in May/June 2025

Recommendation: MBSHC is invited to take note of the engagement of the IHO Secretariat in the UN initiatives and the items for further consideration.

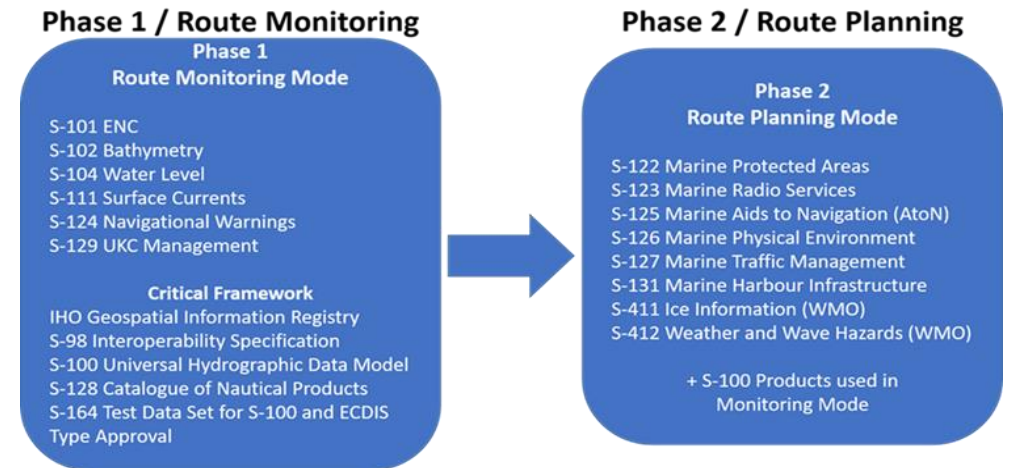
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Technical Program and S-100 Implementation (1 of 3)

- As presented in CL 43/2023, the HSSC intends to adhere to the following schedule:

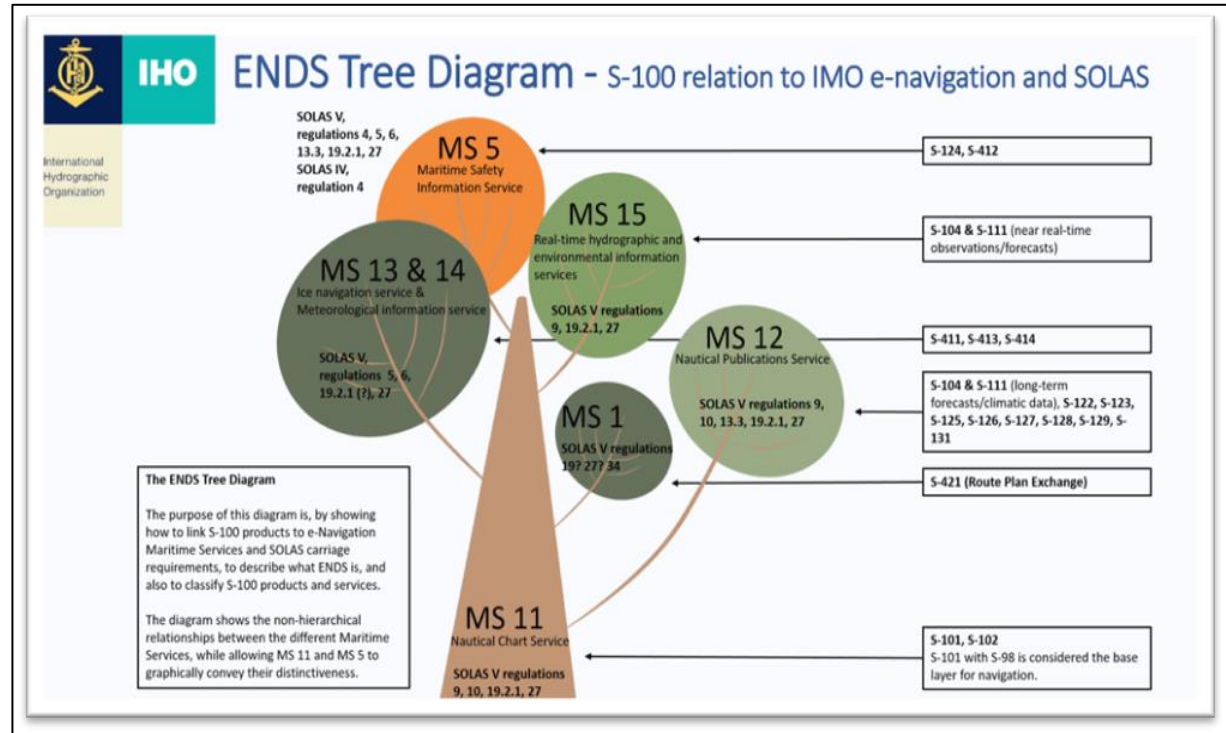
TASK	IHO CL issue date	MS Response due
<i>S-100 Edition 5.2.0</i>	January 2024	May 2024
<i>S-100 Phase 1 Endorsement</i>	October 2024	December 2024



- S-100 Ed. 5.2.0 was adopted with the IHO CL 27/2024Rev1. It is a critical milestone for the next phase: the endorsement by HSSC then adoption of the “operational” editions of the Phase I S-100-based Products Specifications (S101, S-102, S-104, S-111, S-124, S-129).

Technical Program and S-100 Implementation (2 of 3)

- As S-100 compatible ECDIS enters service, starting in 2026, Hydrographic Offices will work to produce S-100 products.
- Future progression on the implementation of the S-100 Roadmap will be regularly reported by IHO to IMO (NCSR). From 2025 onwards, these reports will be based on respective IHO Member States and Regional Hydrographic Commissions reports and will provide the geographic coverage of S-101, other S-1xx products, ENDS schemes, and production plans per Charting Regions by digital means.
- INToGIS III remains the one-stop-shop platform to support the RHCs.
- RENCs confirmed that they had started to design the much more complex description of the diagram applicable to ENDS (Electronic Navigation Data Services) in the S-100 eco-system.



Technical Program and S-100 Implementation (3 of 3)

- WENDWG highlighted the importance of defining a S-100 capabilities-based approach at regional level for a timely and harmonized implementation of the S-100 Roadmap.
- At IRCC16, WENDWG was tasked to invite the RHCs representatives to develop their schedule to meet the 2026 IMO target (S-100 ECDIS) and share their own roadmap at the next WENDWG meeting to be held in February 2025.
- WENDWG also established an ad-hoc S-11 - Part C drafting team to develop a proposed Edition 1.0.0 of S-11 Part C *“Guidelines for the Coordination and Management of the Development of S-100 Electronic Navigational Data Services (other than S-101 ENC’s)”*.

Recommendations:

- MBSHC Members are kindly requested to monitor IHO Circular Letters distribution and vote accordingly at their earliest convenience
- MBSHC is kindly requested to implement the WEND recommendations and to develop a proper schedule to meet the 2026 IMO target (S-100 ECDIS) and share the own roadmap at the next WENDWG meeting.
- MBSHC Members are encouraged to liaise bilaterally to solve overlaps in the Region.

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IHO GIS and Databases

- Work has continued on the IHO internal systems. Especially, two components are to be mentioned:
 - IHO Country Information system, and
 - IHO Online Form system.
- The IHO Online Form system has been used since March 2019 and has been widely accepted by the Member States for the Circular Letter responses and the updating of P-5 and C-55 (CL20/2019 and CL03/2020 refers).

Recommendation:

- MBSHC Countries in the MBSHC Region are invited to review their entry in the IHO Yearbook and C-55 and to provide the IHO Secretariat with the appropriate updates or to report no change (CL 20/2019 refers).

IHO Outreach

- 921,575 views of IHO webpage in 2023, LinkedIn page grew to 9,900 followers in June 2024 and 322,413 total post impressions in 2023.
- The Secretariat has increased its presence on social media through articles and news about its working groups, committees and subcommittees, especially in the framework of the UN Ocean Decade and the next appointment for the Ocean (UNOC2025).



The digital twin of the navigable waters: paving the way for e-navigation

The maritime domain is in the midst of radical changes which will propel navigation forward and open a realm of new possibilities. These transformations will pave the way for e-navigation and autonomous shipping aiming...



Winner of the first Ex Abyssis ad Alta Award announced

"Professionalism", "dedication", "profound knowledge", "expertise", "kindness", these are a few of the words used to describe the winner of the new Ex Abyssis ad Alta – IHO Award for Hydrographic Excellence.



Global hydrographic community grows with 100th country joining the IHO

The Republic of Kiribati has officially become the 100th Member State of the International Hydrographic Organization (IHO), marking a significant milestone for the global hydrographic community. This historic landm...

IHO Outreach – WORLD HYDROGRAPHY DAY (WHD) 2024

- IHO CL 01/2024 announced the theme for WHD 2024:

“Hydrographic Information - Enhancing safety, efficiency and sustainability in marine activities”

- This theme is proposed to highlight that Goal Number 1 of the IHO Strategic Plan and its targets shall have the highest priority in the implementation of the 2024–2026 Work Programme: priority in application of material and human resources, liaison with public sector and industry partners, promotion of concerted regional approaches including increased collaboration with the RENCs, and support of test beds delivering best practice examples for the production, maintenance and distribution of all prioritized S100 derivatives.

IHO Outreach – INTERNATIONAL HYDROGRAPHIC REVIEW (IHR)

- Dr Patrick Westfield was confirmed for additional 2 years as IHR Editor.
- The Review is focused in facilitating interdisciplinary knowledge exchange in applied science, as hydrography encompasses fields such as geophysics, oceanography, geodesy, acoustics, cartography, remote sensing and others.
- The recent IHR Vol.30 Ed. May 2024 covers themes as oceanography, geodesy, geology and of course hydrography, with contributions on crowdsourcing water depth data.



Constanta, Romania, 2 – 4 July 2024

Actions requested of MBSHC

- a) **Note** this report
- b) **Consider** the recommendations proposed in this Report
- c) **Take** any other actions as considered appropriate.